



# STAND TOGETHER — AGAINST — NEIGHBORHOOD DRILLING





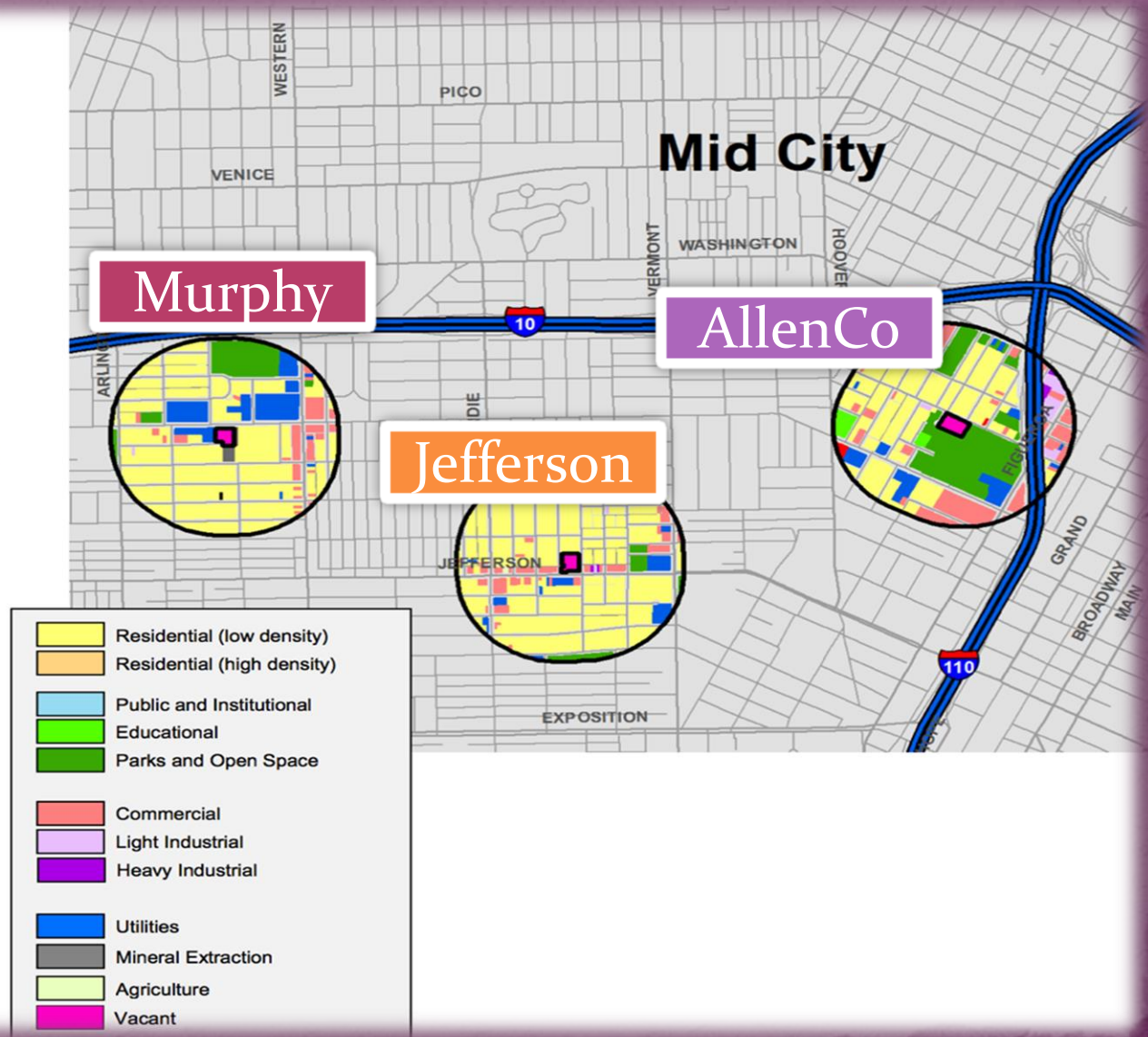
# All is Not Well

South LA  
Communities'  
Journey to End  
Oil/Gas  
Extraction in  
our  
Neighborhood

## South LA Extraction Oil/Gas Facilities

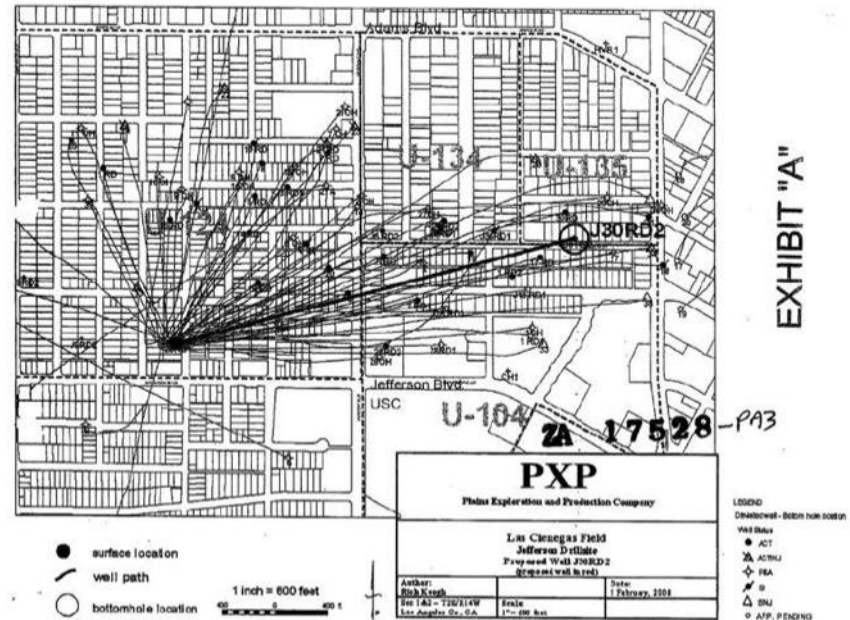
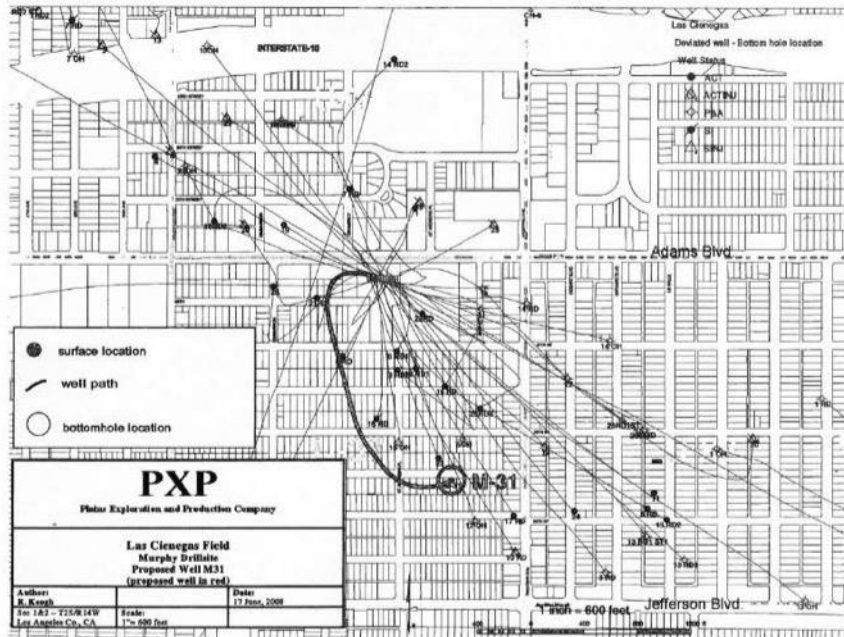
Land use within  
1,500 feet of new  
and active wells in  
Mid City Los Angeles

(Data from Southern California  
Association of Governments, 2012)





# Jefferson Drill Site





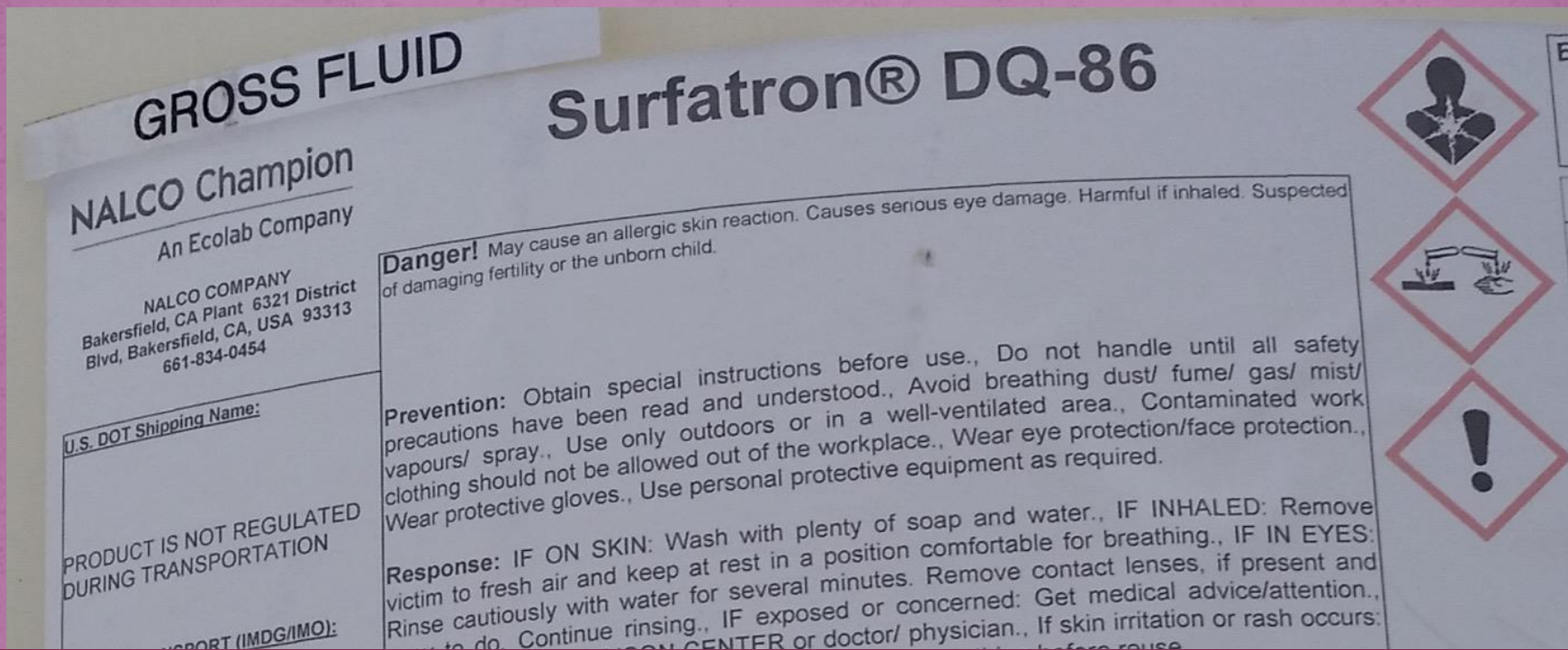
**Parked a few feet away from bedroom windows, two tanker trucks pump 10,000 gallons of toxic acid and chemicals into a well with no notice to residents.**





**Workers in head-to-toe protective gear stand behind red DANGER tape while residents a few feet away receive no notice.**

# Surfatron DQ-86



# “DANGER! ...

**Harmful if inhaled. Suspected of damaging fertility or the unborn child.”**







Jefferson Drill Site

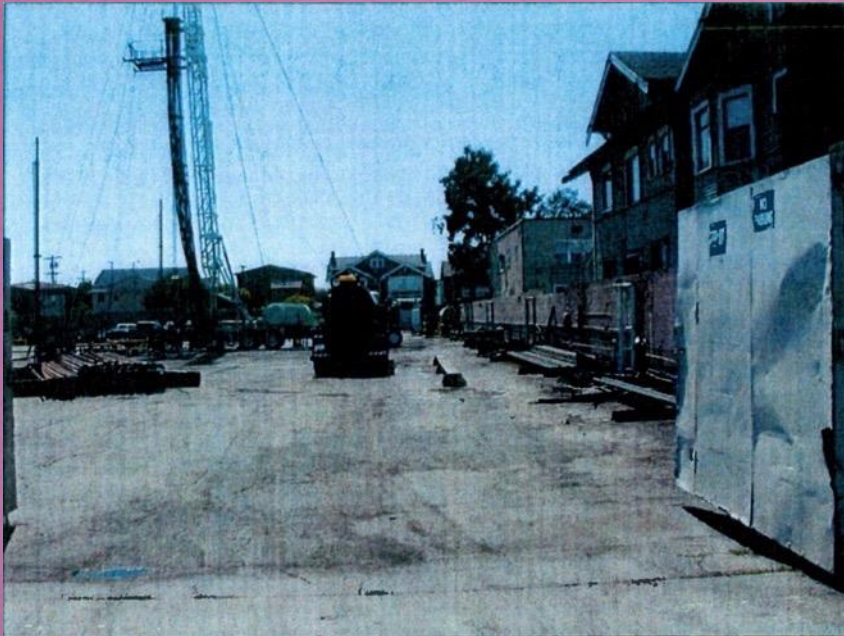
Niki Wong, MPH

Lead Community Organizer - Redeemer Community Partnership





# Adjacent House Sprayed with Oil





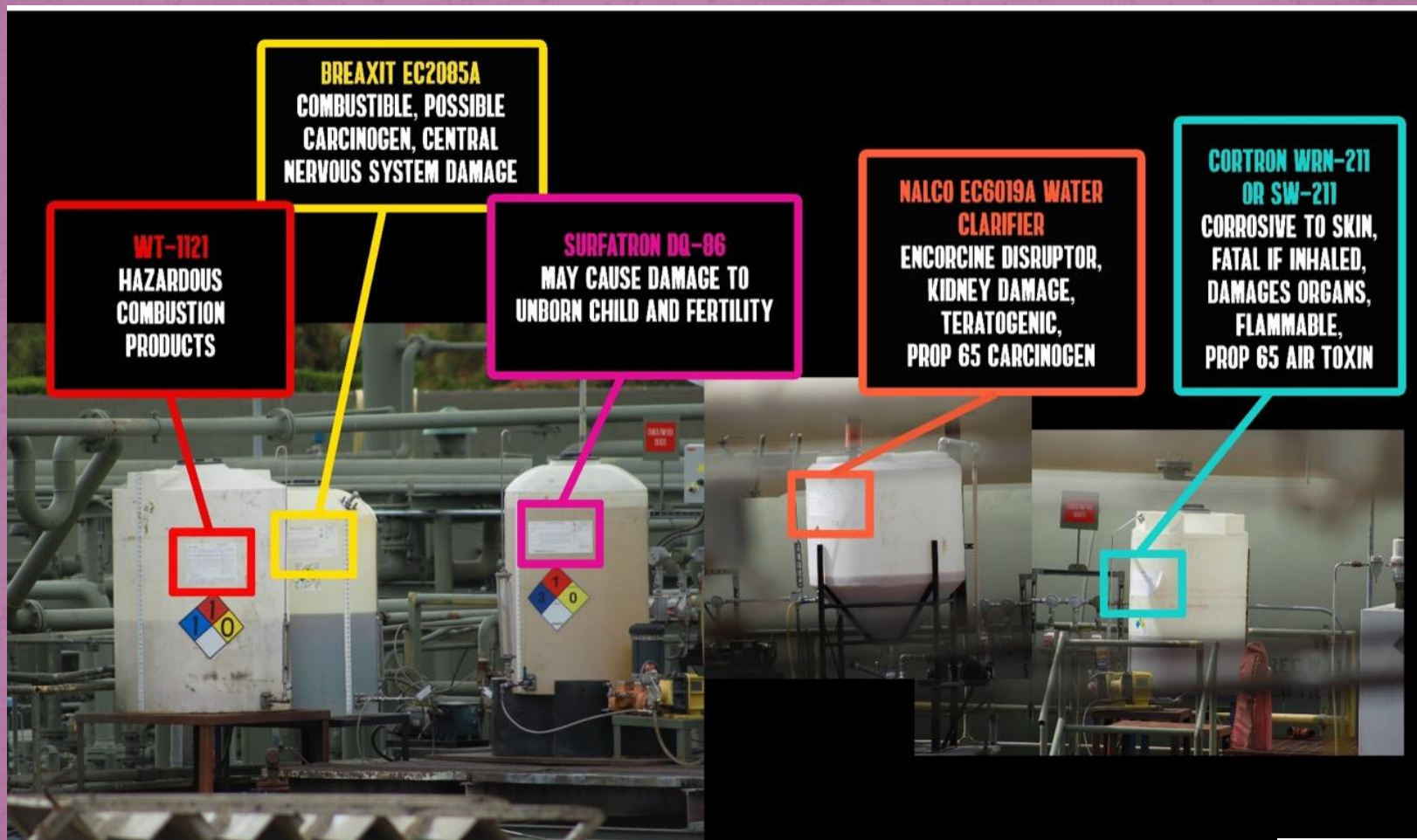
# Chemco Odor Control Jasmine



**March 2016 - Chemco Odor Control Jasmine used to mask hydrogen sulfide ( $H_2S$ ) and contains endocrine disrupting chemical ingredients**



# Chemicals Store on Site





# Chemco Odor Control Jasmine



**March 2016 - Chemco Odor Control Jasmine used to mask hydrogen sulfide (H<sub>2</sub>S) and contains endocrine disrupting chemical ingredients**



# Odor Complaints Ignored or Mitigated



- 18 odor complaints
  - Foul odors and noise, several people were getting headaches and feeling nauseous
- Arrived an hour later and notified operators before coming
- By AQMD rules failed to meet “threshold” for an AQMD Odor Complaint



# Jefferson Drill Site







– People not Pozos Eperanza Community Housing











## *Dirty Dozen Report by Center for Biological Diversity- Chemicals used in oil production*

Rank			
1	Crystalline Silica	117	Harmful to skin, eyes and other sensory organs, respiratory system, immune system and kidneys; mutagen. Known human carcinogen. <sup>5</sup>
2	Methanol	85	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive and cardiovascular system; mutagen, developmental inhibitor and endocrine disruptor.
3	Hydrochloric Acid	43	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, immune system, cardiovascular system and blood.
4	Hydrofluoric Acid	16	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor.
5	2-Butoxy Ethanol	13	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor and endocrine disruptor; linked to liver cancer. Also linked to adrenal tumors. <sup>6</sup>
6	Ethyl Glycol (Monobutyl Ether)	11	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor, and endocrine disruptor; linked to liver cancer.



7	Xylene	10	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive and cardiovascular system; developmental inhibitor and endocrine disruptor.
8	Amorphous Silica Fume	7	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver; linked to lung cancer.
9	Aluminum Oxide	7	Harmful to skin, eyes and other sensory organs, respiratory system, and brain and nervous system.
10	Acrylic Polymer (Acid)	6	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys and cardiovascular system; mutagen and developmental inhibitor.
11	Acetophenone	6	Causes skin irritation, corneal injury, hematological effects; possible damage to lung, kidney and liver. <sup>7</sup>
12	Ethylbenzene	6	Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor and endocrine disruptor.



PRIVATE PROPERTY  
**NO PARKING**  
WITHOUT PROPERTY OWNER'S PERMISSION  
UNAUTHORIZED VEHICLES WILL BE  
**TOWED AWAY**  
AT VEHICLE OWNER'S EXPENSE  
NOV 14 2:15 PM '10 C.E. 10040

**VISITOR  
ENTRANCE  
ON  
WEST SIDE**

**ALLENCO  
ENERGY Inc.**  
24 HR. EMERGENCY  
CONTACT  
**562.989.6100**

**ON-SITE  
PHONE#**  
(310) 505-9782

**WARNING**  
THIS FACILITY CONTAINS ONE  
OR MORE CHEMICALS KNOWN  
TO THE STATE OF CALIFORNIA TO  
CAUSE CANCER, BIRTH DEFECTS  
& REPRODUCTIVE HARM.  
**AVISO**  
ESTE SITIO CUENTA CON UNO O MAS  
PRODUCTOS QUIMICOS CONOCIDOS  
POR EL ESTADO DE CALIFORNIA QUE PUEDAN  
CAUSAR ENFERMEDAD O MALNACIMIENTO O DAÑOS  
REPRODUCTIVOS.

**NO  
SMOKING**



**PRIVATE  
PROPERTY  
NO TRESPASSING**

**814**







# Murphy Drill Site

Rev. Kelvin Sauls

Senior Pastor - Holman United Methodist Church



# Population Density

## Jefferson Park & Kinney Heights

- 16,300 people per square mile
- Among the highest densities for the City & County of Los Angeles





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# Protecting Community Health and the Environment:

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*Decision making for public health  
action*



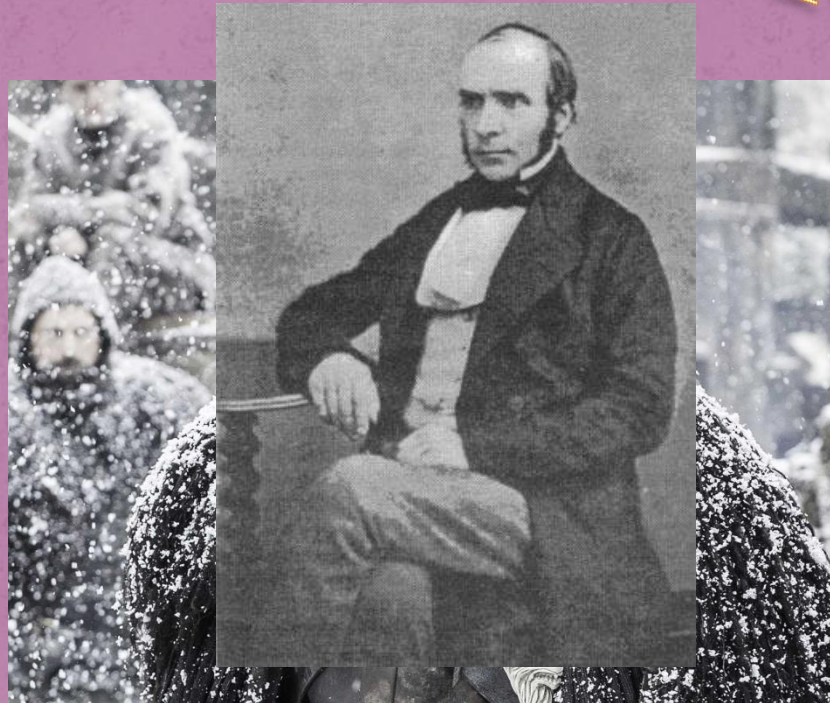
# Echos and Early Warnings...

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- What's the *real* reason there's so much asthma in my neighborhood ?
- Why do I suddenly have asthma
- Why is my child getting nightly nosebleeds
- It seems a lot of people in my neighborhood have cancer
- I have lost my sense of smell
- What is causing my headaches
- What is *the* thing we should be doing to get rid of asthma, cancer, air pollution, low birth weight, learning disabilities?

# Science in Public Health Decision Making

## IN HISTORY



## Acting on Early Warnings



# Cigarettes and lung cancer

## when do we act

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- 1945—Ochsner—Incidence rises together
- 1950—Doll & Hill—case-control study
- 1953—Wynder—tar causes cancer in mice
- 1954—Follow up studies show association, and that greater exposure > greater risk
- 1990s—biological mechanism(s) described (genetic factors; mutations)

# Questions to ask:

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- At what year would you urge your child not to smoke?
- When would you advocate that cigarette smoking be banned in public places
- When would you hold tobacco companies legally accountable for the effects of smoking?





# Bullard's New Environmental Justice Framework



1. Ground the framework on the principle that all individuals have the right to be protected from environmental degradation.
2. Also ground the framework on the precautionary principle to protect workers, communities, and ecosystems.
3. Shift the burden of proof to polluters and dischargers who do harm, who discriminate, and/or who do not give equal protection to all racial and ethnic groups.
4. Adopt a public health model of prevention as the preferred strategy to eliminate a threat before it occurs.



# What is the precautionary principle?

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Wingspread Statement (1998): “When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically.”

# Evidence that Neighborhood Drilling poses an unacceptable risk

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- Magnified Impacts due to Proximity and Population Density
- Approximately 1.7 million people live within one mile of an active oil and gas well. More than 32,000 people live within 100 meters. Studies from outside CA indicate that exposures to toxic air contaminants are most significant within  $\frac{1}{2}$  a mile from active oil and gas development.<sup>3</sup>
- Oil and gas operations release large amounts of reproductive, immunological, and neurological toxins, carcinogens, and endocrine disrupting chemicals (EDCs).



# Making decisions based on what we cherish









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This is an inherently dangerous  
practice occurring dangerously  
close to people and poses an  
unacceptable risk for a practice for  
which we have alternatives

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Los Angeles Needs Health and  
Safety Buffer Zones to protect  
human health, the environment and  
future generations

And we need ways to keep more  
hydrocarbons in the ground



# Credits

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- Thanks to
- Niki Wong
- Richard Parks of Redeemer Community Partnership